

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Serial No. 1st and part final

Name of Work From To

249161

Name of Contractor of nature of Agency M/S. S L V constructions,

Date of commencement of work

Date	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	<u>NAME OF WORK</u>: → Improvements and Asphating to Roads at 6th main Dhamalaxmi layout in Ward no 9 (Vidyaranya) Vidyaranya Sub division <u>JOB CODE</u>: - 009-20-000008 <u>WORK ORDER NO</u>: - BBMP/EE/BTP/WO/173/2019-20 dated 12-12-2019 <u>Estimated cost</u>: - 10.00 Lacs <u>Head of account</u>: p 1771						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
Item-1	Earthwork excavation by manual means in ordinary soil involving on average horizontal throw up to 2m and average lift up to 0.5m excavated surface leveled neatly after breaking of clods complete as per specification. pre measurement recorded quantity vide page no 249136, 249136/1 of this MB					89.65 cum
Item-2	Removing and refixing of stone slab of door and flooring in cm (1:3) etc complete as per specification pre measurement recorded quantity vide page no 249137 of this MB					17930 108.47 Sqm

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No. B 249162

Full description, etc, of work		Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
2		3	4	5	6	7	8
providing granite slab of selected quality roughly dressed having a size of 7.5 cms thick and fixed in cement mortar (1:6) including fixing etc							
6th floor E/S			4.00	-	1.35	5.40	
			6.00	-	1.35	8.10	
			6.00	-	1.25	7.50	
			8.00	-	1.35	10.80	
			3.00	-	1.35	4.05	
						36.45	
						35.86 Sqm	25162-00

6th floor E/S
CAT
Assistant Engineer
Vidyananyapura Sub Division
BMP, Bangalore-97
20/03/2020

Quantity Limited to
Rate at Rs 700.00/sqm

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
Item A	providing and laying construction load bearing wall with solid concrete block of size 400x150x200 mm having block density not less than 1800 kg/m ³ having a minimum compressive strength of 4.5 N/mm ² including cost of all materials					
		2x2	30.0	30.0	0.40	48.00
		2x2	30.0	-	0.40	48.00
		2x2	30.00	-	0.40	48.00
		2x2	30.0	-	0.40	8.80
						Total 152.80
						152.00
						Rate at Rs 700/sq
						106400

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Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
providing and laying in position, plain cement concrete of mix 1:2:4 with cement at 290 kg. with 20mm and down size graded granite metal coarse aggregate at 0.69 cum and fine aggregate at 0.45 cum. machine mixed concrete laid in layers not exceeding 150 mm thick well compacted in foundation, plinth and cills including cost of materials, labour.						
Phonolamulayout 8th main	2	30.00	0.45	0.10	2.70	
	2	30.00	0.45	0.10	2.70	
	2	30.00	0.45	0.10	2.70	
	2	5.50	0.45	0.10	0.51	

249163

MEASUREMENT BOOK

Date 1	Full description, etc. of work 2	Dimensions				Contents 7
		Number 3	Length 4	Breadth 5	Depth 6	
	cropping concrete	2x2	30.00	0.20	0.10	2.40
		2x2	30.00	0.20	0.10	2.40
		2x2	30.00	0.20	0.10	2.40
		2x2	5.50	0.20	0.10	0.44
		total				16.24 sm
		Quantity limited to				16.15 sm
		Rate at Rs 5000/sq.m				80750

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249164

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No.	From	To				
of Work						
of Contractor of nature of Agency						
of commencement of work						

Full description, etc. of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		
providing Granite slab of selected quality roughly dressed having a size of 10m Thick and fixed in cement mortar 1:6						
TOP						
Bs slab missing covering	2	30.00	0.90	-	54.00	
	2	30.00	0.90	-	54.00	
	2	30.00	0.90	-	54.00	
	2	5.50	0.90	-	9.90	
	Total				171.90	
	Quantity limited to				171.90 sqm	
	Rate at Rs 800/sqm					136800.00

20/03/2020

MEASUREMENT BOOK

Date	Full description, etc., of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
Item 7	Providing chamfering edges to Stone slab 2.5 cms. wide as per specification	159	3.6			9.47.50 16625
Item 8	Scraping bituminous loose 50mm to 75mm thick along with premix concrete surface dacking by manual means without disturbing the base and stacking of the debris including cost of all.					
	E/S	1	30.00	1.2+0.9	-	31.50
		1	30.00	0.9+1.0	-	28.50
		1	30.00	1.0+1.1	-	31.50

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Full description, etc., of work		Number	Length	Breadth	Depth	Contents	Reference to last Measurement
			4	5	6	7	8
30 A			0.9+0.85	-	-	28.25	
30 A			0.85+0.9	-	-	28.50	
18 A			1.0+1.1	-	-	18.90	
Qty Limit to 13 95.4/Eqm						212.10	
Rate at 13 95.4/Eqm						211.75	20116.00

MEASUREMENT BOOK

Date 1	Full description, etc., of work 2	Dimensions				Contents 7
		Number 3	Length 4	Breadth 5	Depth 6	
Item 9	net mix macadam, providing, laying, spreading and crushed stone aggregates of granite/basalt to net mix macadam Specification including pre mixing the material with water at one in mechanical means mix plant carriage of mixed material of tipper to site laying in uniform layer with power in sub base course on well prepared surface and compacting with vibratory roller to achieve desired density etc complete as per specification. pre measurement recorded quantity vide page no 249137/1 of this MB.					52.94 cum 7678-
						Rate at Rs 1950.00/m

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249166

Map No.		From		To		
of Work						
of Contractor of nature of Agency						
of commencement of work						
Full description, etc., of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		
providing and applying primer coat with SS bitumen emulsion on prepared surface of granular base such as 10mm including cleaning of ready surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means pre measurement recorded quantity vide page no 249138 of this MB					211.75 Sqm Rate at RS 15.00/sqm	3176 = 00

MEASUREMENT BOOK

Date	Full description, etc., of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
Item-11	providing and laying bituminous macadam on prepared surface with crushed coarse aggregate as per design mix formula for base/binding course including loading and spreading with FE loader transporting the mixed material in tipper to paver and laying mixed materials with paver finished to the required level and grade rolling by the power roller to achieve desired density complete as per specification. pre measurement included quantity vide page no 249/38/1 of this MB					10.59 cu 5898
						Rate at Rs 5551.4/cum

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249167

No.	From	To				
of Work						
of Contractor of nature of Agency						
of commencement of work						
Full description, etc., of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
cleaning the existing black topped surface with brooms, soft brush and finally dusting with old gunny bags and/or compressed air to receive bituminous treatment including cost of all materials. pre measurement included quantity vide page no 249/39 of this MB					605.2 Sqm Rate at Rs 5.9/sqm	3025=00

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249168

Date	Full description, etc., of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
20/12/11	providing and applying tack coat over existing 80/100 grade bitumen (44-10) on prepared black topped surface at a rate of 105 gm per sqm. heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, turn of machine etc. complete as per specifications and direction of engineer in charge of work.					
	pre measurement recorded quantity vide page no 209139/1 of this MB					605.00 sqm
	Rate at Rs 14.00/sqm					8470

No. _____
of Work _____ From _____ To _____
of Contractor of nature of Agency _____
of commencement of work _____

Full description, etc., of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
providing and laying bituminous concrete 40 mm thick with hot mix plant using crushed aggregates of Spliffide grading premixed with bituminous binder + transporting the hot mix to work site laying with a paver finisher to the required grade, level and alignment. Finishing with smooth wheeled and complete of ML						
		30.00	6.0 x 5.2		0.04	6.72
		30.00	5.2 x 5.3		0.04	6.30
		30.00	5.3 x 5.5		0.04	6.48
		30.00	5.5 x 5.3		0.04	6.39
		4.00	5.3 x 5.2		0.04	0.84
						24.23

APR 2012
M. A. R. 57
Assistant Executive Engineer
Vidyanarayana Sub Division
BBMR, Bangalore-59

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
20/12/2020	Quantity Limited Rate at Rs 7911.00/cum Road marking with hot applied Thermoplastic compound with Reflecting Glass beads on bituminous surface providing and laying of hot applied thermoplastic compound 8.5mm thick including reflective glass beads at 250 gms per sqm area thickness of 2.5 mm is exclusive of surface applied glass beads as per	24.20				
		2	30.00	0.10	-	6.00
		2	30.00	0.10	-	6.00

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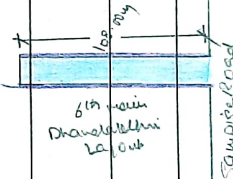
No.
of Work From To
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of commencement of work

Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
		Length	Breadth	Depth		
2		4	5	6	7	8
CAP Mentha Assistant Engineer Vidyanagar Sub Division BBMP Bangalore-29 At Hoq 20/12/2020	2	30.00	0.10	-	6.00	
	2	18.00	0.10	-	6.00	
	2	9.00	0.10	-	0.80	
					22.40 Sqm	
	Qty Limd to				22.00 Sqm	
	Rate at Rs 400.00/sqm				8800.00	
					TOTAL	763410.00
	ADD 12% GST					91609.00
					TOTAL BILL AMOUNT	855019.00

Date	Full description, etc, of work	Dimensions				Contents
		Number 3	Length 4	Breadth 5	Depth 6	
1	2					7
	<u>certificate</u> * Contractor has cleared all debris from works * There is no due from contractor pertaining BBMP work * Contractor has cooied his own men and materials for work * Work has done satisfactorily M. H. W. G.					

 ASSISTANT ENGINEER
 Vidyaranyapura Sub Division
 BBMP, Bangalore - 97

249170

of commencement of work		Dimensions				Contents	Reference to last Measurement
2	3	4	5	6	7	8	
						INDEX!  - Asphalt Road  - Drain Development	